

Jennifer M Donelson

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

4,615
citations

201674

27
h-index

168389

53
g-index

56
all docs

56
docs citations

56
times ranked

4957
citing authors

#	ARTICLE	IF	CITATIONS
1	Ocean acidification impairs olfactory discrimination and homing ability of a marine fish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1848-1852.	7.1	587
2	Beyond buying time: the role of plasticity in phenotypic adaptation to rapid environmental change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180174.	4.0	371
3	Rapid transgenerational acclimation of a tropical reef fish to climate change. <i>Nature Climate Change</i> , 2012, 2, 30-32.	18.8	368
4	Rapid adaptive responses to climate change in corals. <i>Nature Climate Change</i> , 2017, 7, 627-636.	18.8	327
5	Transgenerational plasticity and climate change experiments: <i>Where do we go from here?</i> . <i>Global Change Biology</i> , 2018, 24, 13-34.	9.5	320
6	Parental environment mediates impacts of increased carbon dioxide on a coral reef fish. <i>Nature Climate Change</i> , 2012, 2, 858-861.	18.8	245
7	Effects of elevated water temperature and food availability on the reproductive performance of a coral reef fish. <i>Marine Ecology - Progress Series</i> , 2010, 401, 233-243.	1.9	190
8	Effects of ocean acidification on the early life history of a tropical marine fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3275-3283.	2.6	157
9	Acclimation to predicted ocean warming through developmental plasticity in a tropical reef fish. <i>Global Change Biology</i> , 2011, 17, 1712-1719.	9.5	156
10	Managing consequences of climate-driven species redistribution requires integration of ecology, conservation and social science. <i>Biological Reviews</i> , 2018, 93, 284-305.	10.4	154
11	Understanding interactions between plasticity, adaptation and range shifts in response to marine environmental change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180186.	4.0	145
12	Molecular processes of transgenerational acclimation to a warming ocean. <i>Nature Climate Change</i> , 2015, 5, 1074-1078.	18.8	128
13	The epigenetic landscape of transgenerational acclimation to ocean warming. <i>Nature Climate Change</i> , 2018, 8, 504-509.	18.8	124
14	Ocean acidification does not affect the early life history development of a tropical marine fish. <i>Marine Ecology - Progress Series</i> , 2011, 423, 211-221.	1.9	119
15	Elevated temperature restricts growth potential of the coral reef fish <i>Acanthochromis polyacanthus</i> . <i>Coral Reefs</i> , 2008, 27, 927-931.	2.2	115
16	Elevated CO ₂ affects the behavior of an ecologically and economically important coral reef fish. <i>Marine Biology</i> , 2013, 160, 2137-2144.	1.5	94
17	Potential for adaptation to climate change in a coral reef fish. <i>Global Change Biology</i> , 2017, 23, 307-317.	9.5	87
18	Transgenerational plasticity of reproduction depends on rate of warming across generations. <i>Evolutionary Applications</i> , 2016, 9, 1072-1081.	3.1	80

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19	Reproductive Acclimation to Increased Water Temperature in a Tropical Reef Fish. PLoS ONE, 2014, 9, e97223.	2.5	70
20	Parental condition affects early life-history of a coral reef fish. Journal of Experimental Marine Biology and Ecology, 2008, 360, 109-116.	1.5	69
21	Parental effects on offspring life histories: when are they important?. Biology Letters, 2009, 5, 262-265.	2.3	68
22	Thermal sensitivity does not determine acclimation capacity for a tropical reef fish. Journal of Animal Ecology, 2012, 81, 1126-1131.	2.8	65
23	Transgenerational plasticity mitigates the impact of global warming to offspring sex ratios. Global Change Biology, 2015, 21, 2954-2962.	9.5	50
24	In hot water: sustained ocean warming reduces survival of a low-latitude coral reef fish. Marine Biology, 2018, 165, 1.	1.5	42
25	Phenotypic and molecular consequences of stepwise temperature increase across generations in a coral reef fish. Molecular Ecology, 2018, 27, 4516-4528.	3.9	37
26	“Stick with your own kind, or hang with the locals?” Implications of shoaling strategy for tropical reef fish on a range expansion frontline. Global Change Biology, 2018, 24, 1663-1672.	9.5	32
27	An Epigenetic Signature for Within-Generational Plasticity of a Reef Fish to Ocean Warming. Frontiers in Marine Science, 2020, 7, .	2.5	31
28	Evidence for developmental thermal acclimation in the damselfish, Pomacentrus moluccensis. Coral Reefs, 2013, 32, 85-90.	2.2	30
29	Molecular Response to Extreme Summer Temperatures Differs Between Two Genetically Differentiated Populations of a Coral Reef Fish. Frontiers in Marine Science, 2018, 5, .	2.5	29
30	Effects of climate change on coral grouper (Plectropomus spp.) and possible adaptation options. Reviews in Fish Biology and Fisheries, 2017, 27, 297-316.	4.9	28
31	The effects of water temperature on the juvenile performance of two tropical damselfishes expatriating to temperate reefs. Scientific Reports, 2019, 9, 13937.	3.3	25
32	Food ration does not influence the effect of elevated CO2 on antipredator behaviour of a reef fish. Marine Ecology - Progress Series, 2018, 586, 155-165.	1.9	20
33	Predicting range-shift success potential for tropical marine fishes using external morphology. Biology Letters, 2016, 12, 20160505.	2.3	19
34	Reproductive gene expression in a coral reef fish exposed to increasing temperature across generations. , 2018, 6, cox077.		19
35	Elevated CO2 and heatwave conditions affect the aerobic and swimming performance of juvenile Australasian snapper. Marine Biology, 2020, 167, 1.	1.5	19
36	Climate change may affect fish through an interaction of parental and juvenile environments. Coral Reefs, 2012, 31, 753-762.	2.2	17

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37	Temperature influences habitat preference of coral reef fishes: Will generalists become more specialised in a warming ocean?. <i>Global Change Biology</i> , 2018, 24, 3158-3169.	9.5	17
38	Developmental effects of heatwave conditions on the early life stages of a coral reef fish. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	16
39	Plasticity to ocean warming is influenced by transgenerational, reproductive, and developmental exposure in a coral reef fish. <i>Evolutionary Applications</i> , 2022, 15, 249-261.	3.1	16
40	Development in a warm future ocean may enhance performance in some species. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 472, 119-125.	1.5	15
41	Sex- and time-specific parental effects of warming on reproduction and offspring quality in a coral reef fish. <i>Evolutionary Applications</i> , 2021, 14, 1145-1158.	3.1	15
42	Extended exposure to elevated temperature affects escape response behaviour in coral reef fishes. <i>PeerJ</i> , 2017, 5, e3652.	2.0	14
43	Duration of Exposure to Elevated Temperature Affects Competitive Interactions in Juvenile Reef Fishes. <i>PLoS ONE</i> , 2016, 11, e0164505.	2.5	13
44	Rabbitfish sentinels: first report of coordinated vigilance in conspecific marine fishes. <i>Coral Reefs</i> , 2014, 33, 253-253.	2.2	10
45	Elevated temperature and CO2 have positive effects on the growth and survival of larval Australasian snapper. <i>Marine Environmental Research</i> , 2020, 161, 105054.	2.5	9
46	Metabolic Responses of Pacific Crown-of-Thorns Sea Stars (<i>Acanthaster</i> sp.) to Acute Warming. <i>Biological Bulletin</i> , 2021, 241, 347-358.	1.8	9
47	Elevated CO2 and food ration affect growth but not the size-based hierarchy of a reef fish. <i>Scientific Reports</i> , 2019, 9, 19706.	3.3	6
48	Molecular Response of the Brain to Cross-Generational Warming in a Coral Reef Fish. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	6
49	Parents exposed to warming produce offspring lower in weight and condition. <i>Ecology and Evolution</i> , 2022, 12, .	1.9	6
50	Effects of elevated temperature on the performance and survival of pacific crown-of-thorns starfish (<i>Acanthaster cf. solaris</i>). <i>Marine Biology</i> , 2022, 169, 1.	1.5	5
51	Limited capacity for developmental thermal acclimation in three tropical wrasses. <i>Coral Reefs</i> , 2017, 36, 609-621.	2.2	4
52	Thermosensitive period of sex determination in the coral-reef damselfish <i>Acanthochromis polyacanthus</i> and the implications of projected ocean warming. <i>Coral Reefs</i> , 2017, 36, 131-138.	2.2	4
53	Predator-prey interactions and metabolic rates are altered in stable and unstable groups in a social fish. <i>Oikos</i> , 2020, 129, 842-852.	2.7	3
54	Thermal sensitivity of juvenile rabbitfishes <i>Siganus doliatus</i> and <i>S. lineatus</i> (Siganidae): a key role for habitat?. <i>Coral Reefs</i> , 2021, 40, 1307-1320.	2.2	1

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55	Editorial: Adaptation and Phenotypic Plasticity to Climate Change. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	0